

Sequences

SEQUENCE LISTING

<110> BROWN, Eric L.

LEE, Lawrence

HOOK, Magnus

<120> METHOD OF PREVENTING T CELL-MEDIATED RESPONSES BY THE USE OF THE
MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II ANALOG PROTEIN (MAP PROTEIN)
FROM STAPHYLOCOCCUS AUREUS

<130> P07023US01/BAS

<150> 60/260,523

<151> 2001-01-10

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 603

<212> DNA

<213> Staphylococcus aureus

<220>

<221> CDS

<222> (1)..(603)

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aca	atc	act	gtg	aat	ggt	aca	agc	caa	aac	att	tta	tca	agc	tta	aca	96
Thr	Ile	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Ser	Leu	Thr	
			20					25					30			
ttt	aat	aag	aat	caa	caa	att	agt	tat	aaa	gat	ata	gag	aat	aaa	ggt	144
Phe	Asn	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Ile	Glu	Asn	Lys	Val	
		35					40					45				
aaa	tca	ggt	tta	tac	ttt	aat	aga	ggt	att	agt	gat	atc	gat	tta	aga	192
Lys	Ser	Val	Leu	Tyr	Phe	Asn	Arg	Gly	Ile	Ser	Asp	Ile	Asp	Leu	Arg	
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ctt	tct	aag	caa	gca	aaa	tac	acg	ggt	cat	ttt	aag	aat	gga	aca	aaa	240
Leu	Ser	Lys	Gln	Ala	Lys	Tyr	Thr	Val	His	Phe	Lys	Asn	Gly	Thr	Lys	
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aga	ggt	gtc	gat	ttg	aaa	gca	ggc	att	cac	aca	gcc	gac	tta	atc	aat	288
Arg	Val	Val	Asp	Leu	Lys	Ala	Gly	Ile	His	Thr	Ala	Asp	Leu	Ile	Asn	
				85					90					95		
aca	agt	gac	att	aaa	gca	att	agt	ggt	aac	gta	gat	act	aaa	aag	caa	336
Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln	
			100					105					110			
gtg	aaa	gat	aaa	gag	gca	aaa	gca	aat	ggt	caa	gtg	ccg	tat	aca	atc	384
Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Gln	Val	Pro	Tyr	Thr	Ile	
			115				120						125			
act	gtg	aat	ggt	aca	agc	caa	aac	att	tta	tca	aac	tta	aca	ttt	aaa	432
Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Asn	Leu	Thr	Phe	Lys	
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Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Leu	Glu	Asn	Asn	Val	Lys	Ser	
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ggt	tta	aaa	tca	aac	aga	ggt	ata	act	gat	gta	gat	tta	aga	ctt	tca	528
Val	Leu	Lys	Ser	Asn	Arg	Gly	Ile	Thr	Asp	Val	Asp	Leu	Arg	Leu	Ser	
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aaa	caa	gcg	aaa	ttt	aca	ggt	aat	ttt	aaa	aat	ggc	acg	aaa	aaa	ggt	576
Lys	Gln	Ala	Lys	Phe	Thr	Val	Asn	Phe	Lys	Asn	Gly	Thr	Lys	Lys	Val	
			180					185					190			
atc	gat	ttg	aaa	gca	ggc	att	tat	tga								603
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<212> PRT

<213> Staphylococcus aureus

1004175-011003

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Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr
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Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val
35 40 45

Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg
50 55 60

Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys
65 70 75 80

Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn
85 90 95

Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln
100 105 110

Val Lys Asp Lys Glu Ala Lys Ala Asn Val Gln Val Pro Tyr Thr Ile
115 120 125

Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Asn Leu Thr Phe Lys
130 135 140

Lys Asn Gln Gln Ile Ser Tyr Lys Asp Leu Glu Asn Asn Val Lys Ser
145 150 155 160

Val Leu Lys Ser Asn Arg Gly Ile Thr Asp Val Asp Leu Arg Leu Ser
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Ile Asp Leu Lys Ala Gly Ile Tyr
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<212> DNA

<213> Staphylococcus aureus

200475.01002

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<221> CDS

<222> (1)..(396)

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aca	atc	act	gtg	aat	ggt	aca	agc	caa	aac	att	tta	tca	agc	tta	aca	96
Thr	Ile	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Ser	Leu	Thr	
			20					25					30			

ttt	aat	aag	aat	caa	caa	att	agt	tat	aaa	gat	ata	gag	aat	aaa	ggt	144
Phe	Asn	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Ile	Glu	Asn	Lys	Val	
		35				40						45				

aaa	tca	ggt	tta	tac	ttt	aat	aga	ggt	att	agt	gat	atc	gat	tta	aga	192
Lys	Ser	Val	Leu	Tyr	Phe	Asn	Arg	Gly	Ile	Ser	Asp	Ile	Asp	Leu	Arg	
		50				55					60					

ctt	tct	aag	caa	gca	aaa	tac	acg	ggt	cat	ttt	aag	aat	gga	aca	aaa	240
Leu	Ser	Lys	Gln	Ala	Lys	Tyr	Thr	Val	His	Phe	Lys	Asn	Gly	Thr	Lys	
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aga	ggt	gtc	gat	ttg	aaa	gca	ggc	att	cac	aca	gcc	gac	tta	atc	aat	288
Arg	Val	Val	Asp	Leu	Lys	Ala	Gly	Ile	His	Thr	Ala	Asp	Leu	Ile	Asn	
				85					90					95		

aca	agt	gac	att	aaa	gca	att	agt	ggt	aac	gta	gat	act	aaa	aag	caa	336
Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln	
			100					105					110			

gtg	aaa	gat	aaa	gag	gca	aaa	gca	aat	ggt	gtc	gac	ctg	cag	cca	agc	384
Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Val	Asp	Leu	Gln	Pro	Ser	
		115					120					125				

tta	att	agc	tga													396
Leu	Ile	Ser														
		130														

<210> 4

<211> 131

<212> PRT

<213> Staphylococcus aureus.

<400> 4

200475.01002

Met Arg Gly Ser His His His His His His Gly Ser Gln Ile Pro Tyr
1 5 10 15

Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr
20 25 30

Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val
35 40 45

Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg
50 55 60

Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys
65 70 75 80

Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn
85 90 95

Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln
100 105 110

Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser
115 120 125

Leu Ile Ser
130

200475-011002